# Mountain Weather Forecast

## Yorkshire Dales National Park

Forecast valid from 00:00 on Wednesday 05 May 2021 until 23:59 on Thursday 06 May 2021

Forecast Issued on Tuesday 04 May 2021 at 17:47

**Confidence:** High for general evolution of unsettled conditions, with a low confidence in precipitation detail.

**Headline for Wednesday 05 May 2021:** A dry but cold start. Sunshine and scattered showers through the day.

**Mountain weather hazards on Wednesday 05 May 2021**

**Blizzards**
No Likelihood

**Heavy Snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
No Likelihood

**Severe chill effect**
No Likelihood

**Poor visibility**
No Likelihood

**Thunderstorms**
Low Likelihood

**Heavy persistent rain**
No Likelihood

**Strong sunlight**
Medium Likelihood

| **Weather and chance of precipitation at 600m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | | | |
| Partly cloudy (night) | Sunny | Sunny | Cloudy | Light rain showers | Light snow | Light snow showers | Partly cloudy (night) |
| Precipitation probability | | | | | | | |
| 00% | 00% | 00% | 20% | 30% | 40% | 30% | 00% |

**Forecast for Wednesday 05 May 2021**

**Weather:** Dry and clear through the early hours with a slight frost possible by dawn. Then a bright and sunny morning, but showers soon developing from mid-morning and continuing through the day. Some of these may be heavy with a risk of thunder. There is also a risk that these showers could turn wintry above 400m. Showers easing into the evening with a further risk of frost developing.

**Chance of cloud free mountain/hill tops above 600m:** Above 90% at first, becoming 80% through the day due to showers.

**Visibility:** Very good or excellent at first, but occasionally falling to moderate in passing showers. Shower clouds should largely remain above the summits, but may falling briefly to 500m in the heavier showers.

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# Mountain Weather Forecast

**Forecast for Wednesday 05 May 2021**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 12/20 NW | 12/22 NW | 12/18 NW | 14/20 NW | 14/21 NW | 15/23 NW | 14/22 W | 10/15 W | 9/15 W |
| **300** | 8/20 NW | 9/20 NW | 7/16 NW | 10/19 NW | 11/22 W | 12/23 W | 10/20 W | 6/15 W | 6/14 W |
| **Valley** | 4/14 NW | 5/16 N | 3/11 NW | 9/17 NW | 11/21 W | 12/23 W | 9/19 NW | 4/11 NW | 3/9 NW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | -0/-6 | -2/-7 | -2/-8 | 1/-4 | 3/-1 | 2/-3 | 2/-4 | -0/-5 | -2/-6 |
| **300** | 1/-2 | 0/-4 | 0/-3 | 4/1 | 7/4 | 5/2 | 4/1 | 1/-2 | -0/-3 |
| **Valley** | 1/-1 | 1/-2 | 2/0 | 6/3 | 8/6 | 7/4 | 6/3 | 2/0 | 1/-2 |
| **Freezing Level*** | 400m | 200m | 200m | 300m | 400m | 500m | 500m | 400m | 200m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Showers will develop rapidly through the day and could turn heavy and perhaps wintry on higher tops. Adequate equipment should be carried to adapt to quickly deteriorating conditions.

**Recent rainfall:** measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 14:00 on Tue 04 May 2021 | 32.2mm | 41.8mm | 44.6mm |

**Forecast for Thursday 06 May 2021**

**Weather:** A dry and clear start with a widespread frost likely under clear skies, but maybe some fog patches on wind facing upslopes. Then a dry and bright morning with sunny spells and mainly light winds. Showers or longer spells of rain then likely through the afternoon and early evening, perhaps with sleet or snow above 400m. Drier but a little cloudy at times into the evening as rain clears to the south, with a further risk of frost.

**Maximum wind:** Westerly 20-25mph with gusts 30-35mph from early afternoon, easing by the evening.

**Chance of cloud free mountain/hill tops above 600m:** Greater than 90% in the morning, with any cloud very limited to wind facing upslopes, becoming 30% by mid-afternoon.

**Visibility:** Very good or excellent through much of the morning with limited hill fog above 300m at first on wind facing upslopes. Becoming moderate or poor through the afternoon and into the evening, with rain or wintry showers developing from the north. Good visibility developing from the north later as rain clears southward.

**Temperature:** **Valleys:** Minus 1 Celsius becoming plus 7 Celsius.
**At 600m:** Minus 3 Celsius rising to plus 3 Celsius.
**Freezing level:** 400m rising to 800m by the end of the day.

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